



231926

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

## I HEADING:

DATE: December 5, 1994  
SUBJ: Standard Scrap Metal/Chicago International Exporting Site  
Pollution Report  
FROM: Steve Faryan, OSC  
TO: T. Johnson, U.S. EPA, OSWER  
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POLREP NO: POLREP 2

## II BACKGROUND

Site No: 05HQ  
Delivery Order No: 5001-05-357  
Response Authority: CERCLA, Time Critical Removal Action  
NPL Status: Not on NPL  
State Notification: IEPA Notified (IEPA Referred the Site)  
Action Memo Status: Approved  
Start Date: October 28, 1994  
Demobilization Date: Pending  
Completion Date: October 1995

## III SITE INFORMATION

Refer to POLREP 1

## IV RESPONSE INFORMATION

## A Situation

1 Current Situation

\* The site is still an active facility conducting shredding of electric motors some of which contain PCB capacitors. The PCB's are released during the shredding operations and have been documented to be contaminating the copper, steel and fluff which is separated at the Main Yard. U.S. EPA is currently involved in a Time Critical Removal Action at this site.

\* ERCS contractor RIEDEL is involved in excavating contaminated soil in West Yard, and TAT contractor E & E is collecting soil, scrap, and air samples.

## 2 Removal Activities To Date (Nov 17 thru Dec 4, 1994)

\* ERCS excavated contaminated soil along the D and E grid and stockpiled the soil in the northern

collected confirmation samples after ERCS excavated contaminated soil in West Yard.

\* After confirming that the clean-up criteria has been met in the southern part of West Yard, excavated areas were backfilled with tunnel rock.

\* Several samples from the stock pile of excavated soil were collected and sent to various disposal facilities.

\* Between D2 and D3 grids of West Yard, an Underground Storage Tank (UST) was uncovered at about 2 feet depth. UST's approximate dimensions are 27' long with 8' diameter, and is estimated to contain about 8,000 gallons of liquid.

\* Analytical result of the UST sample indicated no BTU value and 40 ppb of PCBs.

\* Samples were collected of soil and metal stockpiles located in the Main Yard. Samples were also collected from the grinder areas and gravity separator areas inside the process building. All these samples indicated PCB contamination up to 1737 ppm. Total lead concentration on one of the sample was detected at 32,700 ppm.

\* Jack Hammer, Compressor, and a Bob Cat with a screw auger attachment was mobilized during the week of December 1, to perform pre-excavation sampling under the concrete of Main Yard.

\* Main Yard is mostly covered with concrete. ERCS used Jack hammer to bust the concrete, while a screw auger was utilized in collecting the samples.

\* TAT resampled the fluff box underneath the cyclone in Main Yard. Analytical results showed as much as 913 mg/kg Pcb and 2400 mg/kg total lead.

\* Results of gillian pump personnel air monitoring samples for PCB and lead analysis were all below the OSHA Threshold Limit Values (TLV) levels.

\* ERCS electrical subcontractor hooked up electrical connections to the trailers, and installed motion detectors in the office trailers.

\* 24 hour security is provided on-site. Tools and electrical wire was stolen in spite of the security.

### 3 Enforcement

Refer to POLREP 1

#### B Planned Removal Activity

Refer to POLREP 1. U.S. EPA's planned time critical removal activity includes removing contaminated soil from the West Yard initially and set up of the command post and support zone. Sampling and excavation of the West yard will then continue. The final phase will be to sample and remove contaminated soil from the Main Yard. Also, contaminated

scrap and other metal piles will be removed and disposed if determined hazardous.

**C Next Steps**

- \* Complete excavating West Yard
- \* Arrange for the disposal of excavated soil
- \* Collect air samples from Main Yard periodically
- \* Initiate High Volume Air Sampling for PCB's and Lead
- \* Continue sampling in East (Main) Yard
- \* Dispose of Special Waste and TSCA/RCRA Waste
- \* Dispose of UST and its contents

**D Key Issues**

- \* Court Hearing in U.S. District court will resolve the issue of access in the East or Main Yard.
- \* Commence Disposal to remove Special Waste and TSCA/RCRA Waste due to limited space on site.

**V COST INFORMATION**

	*COST	CEILING
ERCS	218,500	\$ 3,000,000
TAT	26,065	\$ 100,000
U.S. EPA	18,640	\$ 50,000

\* - Costs are as of 12/02/94

**VI DISPOSITION OF WASTES**

Disposal of TSCA, RCRA and mixed-TSCA/RCRA waste has been set up at EnviroSAFE via Railcar Transport. Loading of the railcars and disposal of the waste will commence the first week of December.

Disposal of Special Waste (Soils less than 50 ppm PCB) will commence in December and is set up at BFI Mallard Lakes.

Disposal of the UST waste is set up at Safety-Clean's Breslube facility.